IN THE CLAIMS:

1. (Currently Amended) A recording apparatus comprising:

dot formation means being divided into a plurality of groups, each of the groups for forming a dot in accordance with a predetermined dot formation condition assigned thereto, the dot formation condition related to monochrome recording or color recording;

drive means for driving the respective groups in the dot formation means in accordance with record data;

control means for expanding record information into an image in storage means and for transferring record data from the storage means to the drive means;

fixing signal output means for outputting a mode fixing signal determining whether the dot is formed or not, and for transmitting the mode fixing signal to the drive means associated with a group in the dot formation means in which whether the dot is formed or not is predetermined as the dot formation condition, instead of the record data, and the fixing signal selecting at least one group in the dot formation means which is not used for forming the dot in accordance with the record data;

mode fixing means for fixing the dot formation condition of the selected group in the dot formation means, to which the mode fixing signal is transmitted, as determined by the mode fixing signal so as not to form the dot; and

control means for transferring the record data to the group, except for the selected group, by the fixing means.

2. (Currently Amended) The recording apparatus as set forth in claim 1, wherein:

the dot formation means is divided into the plurality of groups in accordance with a predetermined dot formation condition assigned thereto, the dot formation condition being related to monochrome recording or color recording;

the fixing signal selects the group in the dot forming means in accordance with the monochrome recording or the color recording; and

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the control means expands record information into an image in storage means for transferring
the record data from the storage means to the drive means output means outputs the mode
fixing signal determining that the dot is not-formed to the drive means associated with a
group of the dot formation means which is not used for recording; and
wherein the mode fixing means fixes the dot formation condition of the group so as not to form
the dot.

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- 3. (Currently Amended) The recording apparatus as set forth in claim 4 2, wherein the storage means is provided with storage regions enough for a maximum number of groups of the dot formation means which are used at the same time; and wherein the control means reserves storage regions in the storage means enough for groups used on a present recording.
- 4. (Currently Amended) The recording apparatus as set forth in claim 4 2, wherein the storage means is provided with storage regions only enough for a maximum number of groups of the dot formation means which are used at the same time.
- 5. (Canceled).
- 6. (Currently Amended) The recording apparatus as set forth in claim ± 2 , wherein when an excess storage region occurs in the storage means in accordance with unnecessity of the record data transmission due to the mode-fixing signal output, the control means utilizes the excess storage region for a serial transmission of the record data.
- 7. (Currently Amended) The recording apparatus as set forth in claim 1 2, wherein when an excess storage region occurs in the storage means in accordance with unnecessity of the record data transmission due to the mode-fixing signal output, the control means utilizes the excess storage region for another data processing.

8. (Currently Amended) The recording apparatus as set forth in claim 2, wherein the divided groups of the dot formation means includes a color group for forming a plurality colors of dots, a first black group for forming a black dot on the monochrome recording and a second black group for forming a black dot on the monochrome recording and the color recording; and wherein the fixing signal output means outputs the mode-fixing signal to the first black group on the color recording, and outputs the mode-fixing signal to the color group on the monochrome recording.

9. (Canceled).

10. (Currently Amended) The recording apparatus as set forth in claim ± 2 , wherein the a drive signal is provided with a shift register for parallel-converting the record data which is serial-transmitted; and wherein the mode-fixing means is provided on a signal transmission path arranged between the shift register and the dot formation means.

11. (Currently Amended) The recording apparatus as set forth in claim ± 2 , wherein the a drive signal is provided with a shift register for parallel-converting the record data which is serial-transmitted; and wherein the mode fixing means keeps data determined by the mode fixing signal in the shift register.

12. (Currently Amended) A method of controlling data, comprising the steps of: providing a recording apparatus comprising.

dot formation means being divided into a plurality of groups, each of the groups for forming a dot;

drive means for driving the respective groups in the dot formation means in accordance with record data; and

control means for transferring the record data to the group in the dot formation means;

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outputting a fixing signal to the drive means, instead of the record data, the fixing signal selecting at least one group in the dot formation means which is not used for forming the dot in accordance with the record data;

fixing the selected group so as not to form the dot; and

transferring the record data to the group except for the selected group by the fixing signal in accordance with a predetermined dot formation condition assigned thereto, the dot formation condition related to monochrome recording or color recording; drive means for driving the respective groups in the dot formation means in accordance with record data; and control means for expanding record information into an image in storage means and for transferring record data from the storage means to the drive means;

judging whether there is a group of the dot formation means in which whether the dot is formed or not is predetermined as the predetermined dot-formation condition, when the record data is expanded in the storage means and is transmitted from the storage means to the drive means;

outputting a mode fixing signal determining whether the dot is formed or not, and transmitting the mode fixing signal to the drive means associated with the group in which whether the dot is formed or not is predetermined, instead of the record data; and

fixing the dot formation condition of the group in the dot formation means, to which the mode fixing signal is transmitted, as determined by the mode fixing signal.

- 13. (Canceled).
- 14. (Currently Amended) The data controlling method as set forth in claim 12, further comprising the step of reserving a storage region in the <u>a</u> storage means associated only with <u>a</u> the group to which the mode fixing signal is not transmitted.
- 15. (Currently Amended) A recording apparatus comprising:

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dot formation means being divided into a plurality of groups, each of the groups for forming a dot in accordance with a predetermined dot formation condition assigned thereto, the dot formation condition related to monochrome recording or color recording;

drive means including a mode fixing circuit, for driving the respective groups in the dot formation means in accordance with record data;

storage means including storage regions, for storing only the groups used in the dot formation; control means for expanding record information into an image in the storage means, for transferring record data from the storage means to the drive means and for reserving storage regions in the storage means only for groups used on a present recording; and

fixing signal output means for outputting a mode fixing signal to the drive means, instead of the record data, and the fixing signal selecting at least one group in the dot formation means which is not used for forming the dot in accordance with the record data determining whether the dot is formed, and for transmitting the mode fixing signal directly to the drive means associated with a group in the dot formation means, wherein whether the dot is formed selected group is predetermined by the dot formation condition in the mode fixing circuit.

- 16. (Previously Added) The recording apparatus as set forth in claim 15, further comprising mode fixing means for fixing the dot formation condition of the group in the dot formation means.
- 17. (Previously Added) The recording apparatus as set forth in claim 15, wherein the divided groups of the dot formation means further comprise a color group for forming a plurality colors of dots, a first black group for forming a black dot during monochrome recording and a second black group for forming a black dot during the monochrome recording and the color recording; and wherein the fixing signal output means outputs the mode fixing signal to the first black group during the color recording, and outputs the mode fixing signal to the color group during the monochrome recording.

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18. (Previously\Added) A recording apparatus comprising:

dot formation means being divided into a plurality of groups for forming a dot in accordance with a predetermined dot formation condition related to monochrome or color recording;

driving means for driving the respective groups in the dot formation means and for determining the formation of the dot by inputting into the dot formation condition a mode fixing signal; and

control means for expanding image in storage means corresponding to the data used for dot formation and for transferring data from storage to drive means;

wherein the divided groups of the dot formation means further comprise a color group for forming a plurality colors of dots, a first black group for forming a black dot during monochrome recording and a second black group for forming a black dot during the monochrome recording and the color recording.

- 19. (Previously Added) The recording apparatus as set forth in claim 18, wherein the mode fixing signal is transmitted to the first black group during the color recording, and the mode fixing signal is transmitted to the color group during the monochrome recording.
- 20. (Previously Added) The recording apparatus as set forth in claim 1, wherein the divided groups of the dot formation means further comprise a color group for forming a plurality colors of dots, a first black group for forming a black dot during monochrome recording and a second black group for forming a black dot during the monochrome recording and the color recording; and wherein the fixing signal output means outputs the mode fixing signal to the first black group during the color recording, and outputs the mode fixing signal to the color group during the monochrome recording.

21. (New) A recording apparatus, comprising:

dot formation means being divided into a plurality of groups, each of the groups for forming a

dot;

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drive means for driving the respective groups in the dot formation means in accordance with record data;

fixing signal output means for outputting a fixing signal to the drive means, instead of the record data, and the fixing signal selecting all the groups in the dot formation means in accordance with the record data so that the respective groups form the dot; and

fixing means for fixing all the groups so as to form the dot.